


Product datasheet

Anti-KSR1 (phospho S392) antibody ab52205

1 Image

Overview

Product name	Anti-KSR1 (phospho S392) antibody
Description	Rabbit polyclonal to KSR1 (phospho S392)
Host species	Rabbit
Specificity	ab52205 detects endogenous levels of KSR only when phosphorylated at serine 392.
Tested applications	Suitable for: IHC-P, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthesized phosphopeptide derived from human KSR around the phosphorylation site of serine 392 (T-E-S ^P -V-P).
Positive control	Human brain tissue

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Purification notes	The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab52205** in the following tested applications.

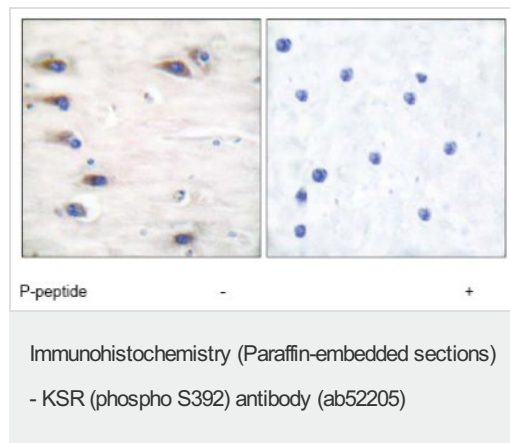
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ELISA		1/20000.

Target

Function	Location-regulated scaffolding protein connecting MEK to RAF. Promotes MEK and RAF phosphorylation and activity through assembly of an activated signaling complex. By itself, it has no demonstrated kinase activity.
Sequence similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 protein kinase domain.
Post-translational modifications	Phosphorylated on Ser-309 and, to a higher extent, on Ser-404 by MARK3. Dephosphorylated on Ser-404 by PPP2CA. In resting cells, phosphorylated KSR1 is cytoplasmic and in stimulated cells, dephosphorylated KSR1 is membrane-associated.
Cellular localization	Cytoplasm. Membrane. In unstimulated cells, where the phosphorylated form is bound to a 14-3-3 protein, sequestration in the cytoplasm occurs. Following growth factor treatment, the protein is free for membrane translocation, and it moves from the cytoplasm to the cell periphery.

Images



This image shows human brain tissue stained with ab52205 at a dilution of 1/50 - 1/100.

Right hand image: tissue treated with immunising peptide; left hand image: untreated.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Promise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors